

Lessons from the Ashes: Improving Transportation Safety Through Accident Investigation



Embry-Riddle ISASI Chapter

Robert Sumwalt

November 12, 2020

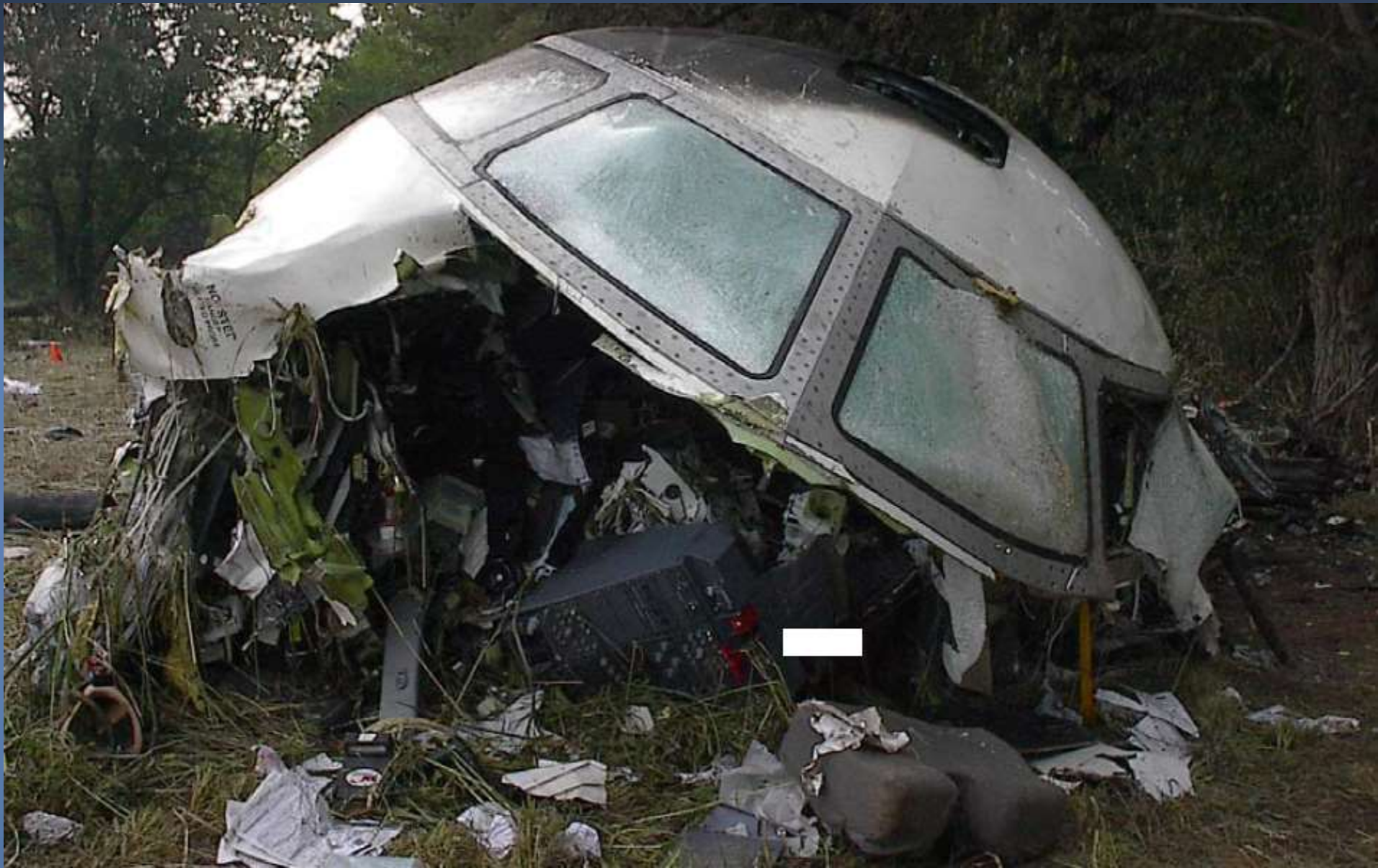
Sunday Morning
August 27, 2006

6:56

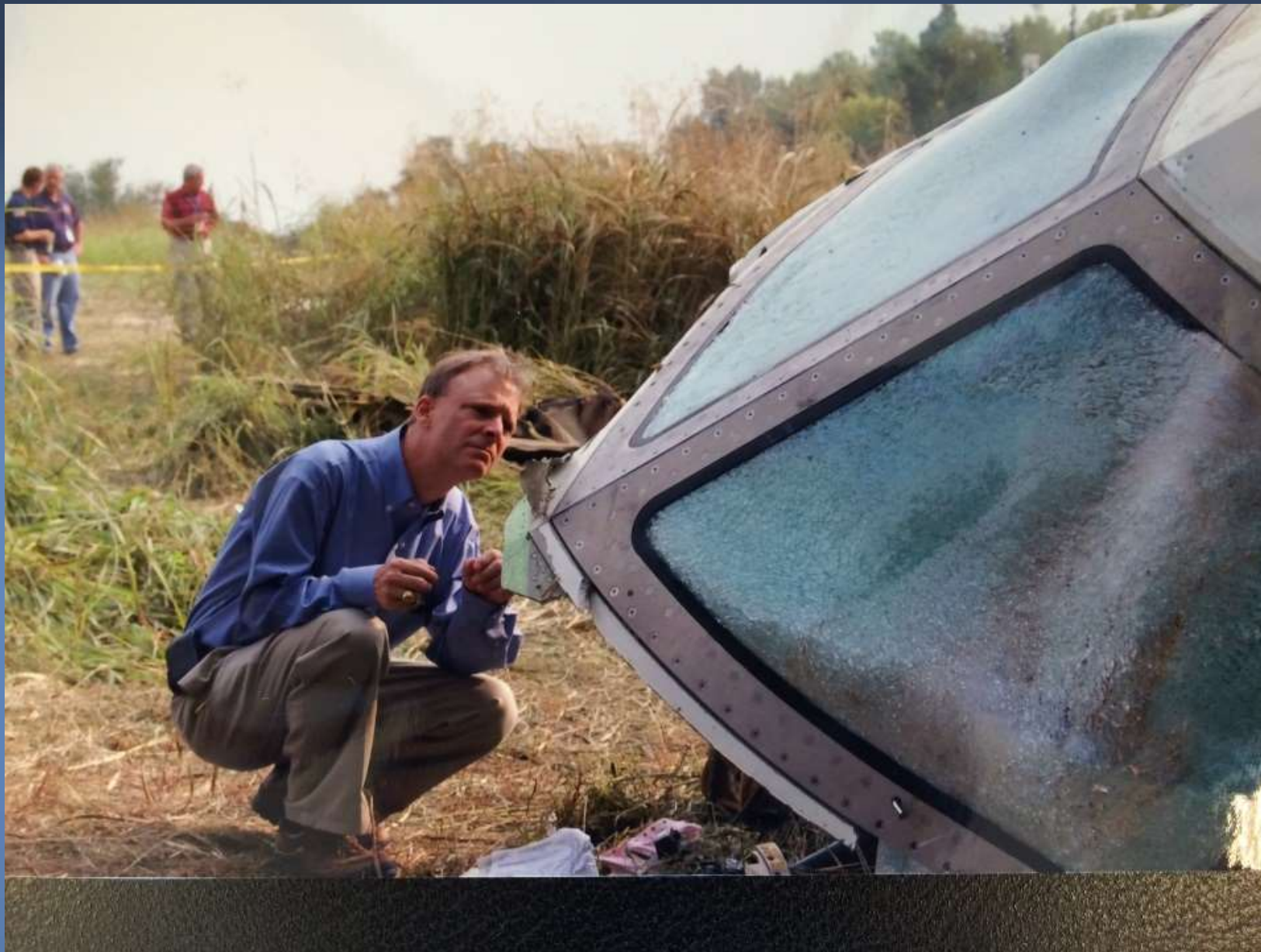
August 27, 2006







NTSB





Windy, Cold

Breezy, cloudy, windy and cold. Highs around 45, northwest to low 40s along coast. Low runs 7:20 a.m., now 5:15 p.m. Details, 11-4.

The State



82nd Year — No. 355

2 Sections — 56 Pages

Columbia, South Carolina

Friday, December 21, 1973

Daily 15¢

Inside
Columbus... 25¢
State... 15¢
South... 15¢
North... 15¢
West... 15¢
East... 15¢
South... 15¢
North... 15¢
West... 15¢
East... 15¢



Plane Crashes Near Airport

A twin-engine plane crashed in a wooded area between Barnhamville and Pratt Springs roads Thursday while making a westward approach to the Columbia airport. The senior vice president of the Federal Land Bank of Columbia, J. Chappell Moore, 56, and the pilot Michael O.

Frederick, 35, were killed instantly. Another bank executive Rex B. Price, 34, in satisfactory condition. Another person, 1-6. (Staff Photo by Maxie Roberts)

Air Crash Kills Two

Flood Of Bills Sent To Nixon

WASHINGTON (AP) — Congress sent to President Nixon more than 100 bills and resolutions today.

West To Push 2nd Med School

By LEVONIA PAGE

10-Gallon Limit Aske

'Merry Christmas From The Gri

WASHINGTON (AP) — Energy chief William E. Simon wished everybody "a Merry Christmas From The Grunk." Thursday, then asked motorists moving up for two long holiday weekends to use only 10 gallons of gasoline per week.

Simon promised a decision whether or not to order gasoline rationing by New Year's Day.

Meanwhile, restrictions on the number of days in the week a person can drive his car are being considered, material supplied to key members of Congress indicated.

Also under consideration is extension of the Sunday ban on gasoline sales to a second day of the week, the material is scarce.

The proposed mandatory restrictions were among a list of 20 energy conservation measures submitted by Simon Wednesday night to Senate and House committees on emergency energy legislation, according to Sen. Paul J. Fannin D-Ill.

Fannin, who made the list available to the Associated Press Thursday, said the items were specified by Simon as those which the administration wants to be free to ignore if it decides to do so, during the month-long congressional break without fear of a veto when Congress returns.

best who — in a well-known story — 1944 to stand all the Christmas.

Simon also developed a limit station at the Thursday he said that he was drawing 1.5 million of oil fuel from military stocks. U.S. international system to be through a fuel crisis will be set out.

Limiting Gas Frustrating To Columbi

By FAY BERNAN
North Charleston

A federal program calling for limits to voluntarily limit drivers 10 gallons of gasoline a week is greeted with more than some sense of feeling to control the price of gasoline.

Additional energy chief E. Simon, North Charleston



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LaGuardia, 1989



LAX, 1991



Charlotte, July 1994

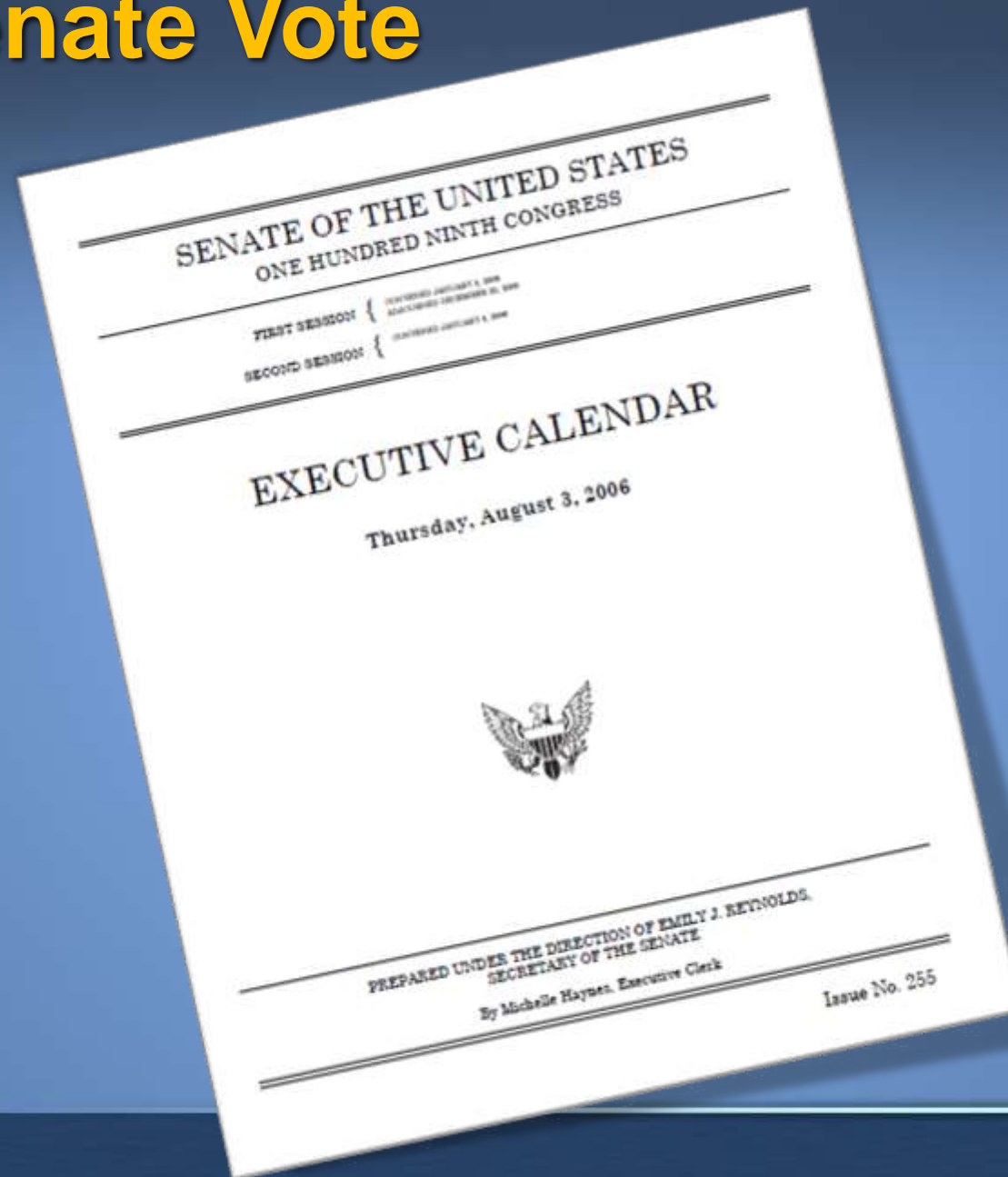


LaGuardia, 1992



Pittsburgh, Sept 1994

Full Senate Vote



NTSB







EXIT



NOTICE

6
1

6
2

6
3

6
4





The Board



Michael Graham



Bruce Landsberg



Robert Sumwalt



Jennifer Homendy



Thomas Chapman



NTSB Response Operations Center



Situation Room





Boots on the Ground

- Powerplants
- Structures
- Systems
- Operations
- Human performance
- Survival factors
- Airworthiness
- ATC
- Meteorology
- Recorders
- Transportation Disaster Assistance













NTSB

Drones



Data Accuracy



Left tire impact < 1" variance
from ground measurement



Prop slash marks less
than 0.1" variance

Wing from runway edge –
ground measurement and
ortho equal at 83'4"



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Media Briefings



Family Briefings



Meeting with Elected Officials





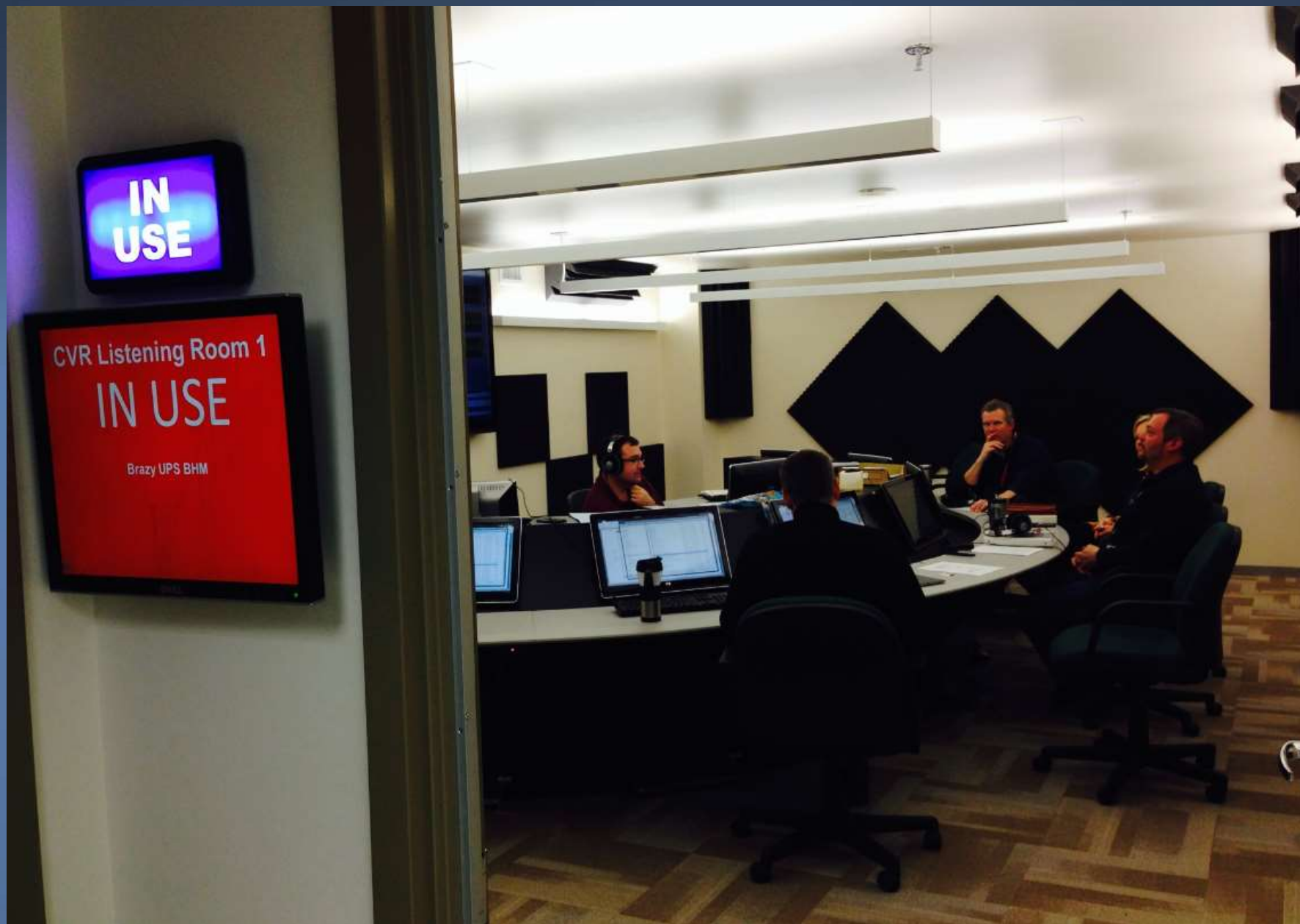
NTSB













NTSB process at a glance

Organizational meeting
Groups & parties
Progress meetings
Media briefings
Press releases

Factual information

Fact finding
Depositions
Witnesses
Docket

Docket
Findings
Conclusions
Probable cause
Safety recommendations

NTSB

GOVERNMENT IN THE SUNSHINE ACT



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National Transportation Safety Board